harvesting the crystalline energetic materials,

wherein the ultrasonic vibration has a frequency of between 10 and 100 kHz, and results in a zone of ultrasonic vibration in the crystallising mixture.

2. (Amended) The process of claim 1, wherein the crystallising mixture is stirred during crystallisation.

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9. (Amended) A process for the production of crystalline energetic materials having improved stability and/or decreased sensitivity by crystallisation of raw energetic materials, comprising:

preparing a crystallising mixture containing the raw energetic materials; and

subjecting the crystallising mixture to ultrasonic vibration during crystallization; and

harvesting the crystalline energetic materials,

wherein the ultrasonic vibration has a frequency of between 10 and 100 kHz, and results in a zone of ultrasonic vibration in the crystallising mixture,

wherein the crystallising mixture is stirred during crystallisation, and is passing through the zone of ultrasonic vibration continuously.

10. (Amended) The process of claim 9, wherein the temperature during crystallisation is between 15 and 75°C.

11. (Amended) The process of claim 1, wherein the temperature during crystallisation is between 15 and 75°C.

12. (Amended) The process of claim 2, wherein the temperature during crystallisation is between 15 and 75°C.

14. (Amended) A process for the production of crystalline energetic materials having improved stability and/or decreased sensitivity by crystallisation of raw energetic materials, comprising:

preparing a crystallising mixture containing the raw energetic materials; and

subjecting the crystallising mixture to ultrasonic vibration during crystallization; and

harvesting the crystalline energetic materials,

wherein the ultrasonic vibration has a frequency of between 10 and 100 kHz, and results in a zone of ultrasonic vibration in the crystallising mixture,

wherein the crystallising mixture is stirred during crystallisation, and is passing through the zone of ultrasonic vibration continuously,

wherein the temperature during crystallisation is between 15 and 75°C,

wherein the ultrasonic vibration is generated using an ultrasonic probe having an amplitude between 0.4 and 10 µm.

15. (Amended) The process of claim 1, wherein the ultrasonic vibration is generated using an ultrasonic probe having an amplitude of between 0.4 and 10 µm.

16. (Amended) The process of claim 2, wherein the ultrasonic vibration is generated using an ultrasonic probe having an amplitude of between 0.4 and 10 µm.

18. (Amended) A process for the production of crystalline energetic materials having improved stability and/or decreased sensitivity by crystallisation of raw energetic materials, comprising:

preparing a crystallising mixture containing the raw energetic materials; and

subjecting the crystallising mixture to ultrasonic vibration during crystallization; and

harvesting the crystalline energetic materials,

wherein the ultrasonic vibration has a frequency of between 10 and 100 kHz, and results in a zone of ultrasonic vibration in the crystallising mixture,

wherein the crystallising mixture is stirred during crystallisation, and is passing through the zone of ultrasonic vibration continuously,

wherein the temperature during crystallisation is between 15 and 75°C,

wherein the ultrasonic vibration is generated using an ultrasonic probe having an amplitude between 0.4 and 10 μm,

wherein the raw energetic materials are selected from a group consisting of explosives and high energy oxidisers.

20. (Amended) The process of claim 1, wherein the raw energetic materials are selected from a group consisting of explosives and high energy oxidisers.

21. (Amended) The process of claim 2, wherein the raw energetic materials are selected from a group consisting of explosives and high energy oxidisers.

23. (Amended) The process of claim 18, wherein the raw energetic materials are selected from a group consisting of hydrazinium nitroformate, CL-20, ADN, AP, RDX, HMX and PETN.

25. (Amended) The process of claim 1, wherein the said energetic materials are selected from a group consisting of hydrazinium nitroformate, CL-20, ADN, AP, RDX, HMX and PETN.

26. (Amended) The process of claim 2, wherein the said energetic materials are selected from a group consisting of hydrazinium nitroformate, CL-20, ADN, AP, RDX, HMX and PETN.

REMARKS

Claims 1,2, and 8-27 were rejected. Claims 8, 13, 17, 19, 22, 24, and 27 are cancelled. Claims 1, 2, 9-12, 14-16, 18, 20, 21, 23, 25 and 26 are amended. Claims 1, 2, 9-12, 14-16, 18, 20, 21, 23, 25 and 26 are pending. Reconsideration and allowance of all pending claims are respectfully requested.